

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/416,828DATE: 03/10/2001
TIME: 00:45:43

INPUT SET: S36471.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

(1) General Information:

- (i) APPLICANT: Ammons, William Steve et al.
- (ii) TITLE OF INVENTION: Method of Treating Conditions Associated with
Intestinal Ischemia/Reperfusion
- (iii) NUMBER OF SEQUENCES: 2
- (iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
(B) STREET: 6300 Sears Tower, 233 South Wacker Drive
(C) CITY: Chicago
(D) STATE: Illinois
(E) COUNTRY: United States of America
(F) ZIP: 60606-6402
- (v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25
- (vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: 09/416,828
(B) FILING DATE:
(C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: 08/756,164
(B) FILING DATE:
- (viii) ATTORNEY INFORMATION:
(A) NAME: Sharp, Jeffrey S.
(B) REGISTRATION NUMBER: 31,879
(C) REFERENCE/DOCKET NUMBER: 27129/32043
- (ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: 312/474-6300
(B) TELEFAX: 312/474-0448
(C) TELEX: 25-3856

(2) INFORMATION FOR SEQ ID NO:1:

RECEIVED
MAR 15 2001
TECH CENTER 1600-200

RAW SEQUENCE LISTING PATENT APPLICATION US/09/416,828

DATE: 03/10/2001
TIME: 00:45:43

INPUT SET: S36471.raw

```

47
48      (i) SEQUENCE CHARACTERISTICS:
49          (A) LENGTH: 1813 base pairs
50          (B) TYPE: nucleic acid
51          (C) STRANDEDNESS: single
52          (D) TOPOLOGY: linear
53
54      (ii) MOLECULE TYPE: cDNA
55
56
57      (ix) FEATURE:
58          (A) NAME/KEY: CDS
59          (B) LOCATION: 31..1491
60
61      (ix) FEATURE:
62          (A) NAME/KEY: mat_peptide
63          (B) LOCATION: 124..1491
64
65      (ix) FEATURE:
66          (A) NAME/KEY: misc_feature
67
68          (D) OTHER INFORMATION: "rBPI"
69
70
71      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
72
73      CAGGCCTTGA GGTTTTGGCA GCTCTGGAGG ATG AGA GAG AAC ATG GCC AGG GGC      54
74                                     Met Arg Glu Asn Met Ala Arg Gly
75                                     -31 -30                               -25
76
77      CCT TGC AAC GCG CCG AGA TGG GTG TCC CTG ATG GTG CTC GTC GCC ATA      102
78      Pro Cys Asn Ala Pro Arg Trp Val Ser Leu Met Val Leu Val Ala Ile
79               -20                               -15                               -10
80
81      GGC ACC GCC GTG ACA GCG GCC GTC AAC CCT GGC GTC GTG GTC AGG ATC      150
82      Gly Thr Ala Val Thr Ala Ala Val Asn Pro Gly Val Val Val Arg Ile
83               -5                               1                               5
84
85      TCC CAG AAG GGC CTG GAC TAC GCC AGC CAG CAG GGG ACG GCC GCT CTG      198
86      Ser Gln Lys Gly Leu Asp Tyr Ala Ser Gln Gln Gly Thr Ala Ala Leu
87      10               15               20               25
88
89      CAG AAG GAG CTG AAG AGG ATC AAG ATT CCT GAC TAC TCA GAC AGC TTT      246
90      Gln Lys Glu Leu Lys Arg Ile Lys Ile Pro Asp Tyr Ser Asp Ser Phe
91               30               35               40
92
93      AAG ATC AAG CAT CTT GGG AAG GGG CAT TAT AGC TTC TAC AGC ATG GAC      294
94      Lys Ile Lys His Leu Gly Lys Gly His Tyr Ser Phe Tyr Ser Met Asp
95               45               50               55
96
97      ATC CGT GAA TTC CAG CTT CCC AGT TCC CAG ATA AGC ATG GTG CCC AAT      342
98      Ile Arg Glu Phe Gln Leu Pro Ser Ser Gln Ile Ser Met Val Pro Asn
99               60               65               70

```

DATE: 03/10/2001
TIME: 00:45:43

INPUT SET: S36471.raw

100																	
101	GTG	GGC	CTT	AAG	TTC	TCC	ATC	AGC	AAC	GCC	AAT	ATC	AAG	ATC	AGC	GGG	390
102	Val	Gly	Leu	Lys	Phe	Ser	Ile	Ser	Asn	Ala	Asn	Ile	Lys	Ile	Ser	Gly	
103		75					80					85					
104																	
105	AAA	TGG	AAG	GCA	CAA	AAG	AGA	TTC	TTA	AAA	ATG	AGC	GGC	AAT	TTT	GAC	438
106	Lys	Trp	Lys	Ala	Gln	Lys	Arg	Phe	Leu	Lys	Met	Ser	Gly	Asn	Phe	Asp	
107	90					95					100					105	
108																	
109	CTG	AGC	ATA	GAA	GGC	ATG	TCC	ATT	TCG	GCT	GAT	CTG	AAG	CTG	GGC	AGT	486
110	Leu	Ser	Ile	Glu	Gly	Met	Ser	Ile	Ser	Ala	Asp	Leu	Lys	Leu	Gly	Ser	
111					110					115					120		
112																	
113	AAC	CCC	ACG	TCA	GGC	AAG	CCC	ACC	ATC	ACC	TGC	TCC	AGC	TGC	AGC	AGC	534
114	Asn	Pro	Thr	Ser	Gly	Lys	Pro	Thr	Ile	Thr	Cys	Ser	Ser	Cys	Ser	Ser	
115				125					130					135			
116																	
117	CAC	ATC	AAC	AGT	GTC	CAC	GTG	CAC	ATC	TCA	AAG	AGC	AAA	GTC	GGG	TGG	582
118	His	Ile	Asn	Ser	Val	His	Val	His	Ile	Ser	Lys	Ser	Lys	Val	Gly	Trp	
119			140					145					150				
120																	
121	CTG	ATC	CAA	CTC	TTC	CAC	AAA	AAA	ATT	GAG	TCT	GCG	CTT	CGA	AAC	AAG	630
122	Leu	Ile	Gln	Leu	Phe	His	Lys	Lys	Ile	Glu	Ser	Ala	Leu	Arg	Asn	Lys	
123		155					160					165					
124																	
125	ATG	AAC	AGC	CAG	GTC	TGC	GAG	AAA	GTG	ACC	AAT	TCT	GTA	TCC	TCC	AAG	678
126	Met	Asn	Ser	Gln	Val	Cys	Glu	Lys	Val	Thr	Asn	Ser	Val	Ser	Ser	Lys	
127	170					175					180					185	
128																	
129	CTG	CAA	CCT	TAT	TTC	CAG	ACT	CTG	CCA	GTA	ATG	ACC	AAA	ATA	GAT	TCT	726
130	Leu	Gln	Pro	Tyr	Phe	Gln	Thr	Leu	Pro	Val	Met	Thr	Lys	Ile	Asp	Ser	
131					190					195					200		
132																	
133	GTG	GCT	GGA	ATC	AAC	TAT	GGT	CTG	GTG	GCA	CCT	CCA	GCA	ACC	ACG	GCT	774
134	Val	Ala	Gly	Ile	Asn	Tyr	Gly	Leu	Val	Ala	Pro	Pro	Ala	Thr	Thr	Ala	
135				205				210						215			
136																	
137	GAG	ACC	CTG	GAT	GTA	CAG	ATG	AAG	GGG	GAG	TTT	TAC	AGT	GAG	AAC	CAC	822
138	Glu	Thr	Leu	Asp	Val	Gln	Met	Lys	Gly	Glu	Phe	Tyr	Ser	Glu	Asn	His	
139			220														

RAW SEQUENCE LISTING PATENT APPLICATION US/09/416,828

DATE: 03/10/2001
TIME: 00:45:44

INPUT SET: S36471.raw

153	GAT GAC ATG ATT CCA AAG GAG TCC AAA TTT CGA CTG ACA ACC AAG TTC	1014
154	Asp Asp Met Ile Pro Lys Glu Ser Lys Phe Arg Leu Thr Thr Lys Phe	
155	285 290 295	
156		
157	TTT GGA ACC TTC CTA CCT GAG GTG GCC AAG AAG TTT CCC AAC ATG AAG	1062
158	Phe Gly Thr Phe Leu Pro Glu Val Ala Lys Lys Phe Pro Asn Met Lys	
159	300 305 310	
160		
161	ATA CAG ATC CAT GTC TCA GCC TCC ACC CCG CCA CAC CTG TCT GTG CAG	1110
162	Ile Gln Ile His Val Ser Ala Ser Thr Pro Pro His Leu Ser Val Gln	
163	315 320 325	
164		
165	CCC ACC GGC CTT ACC TTC TAC CCT GCC GTG GAT GTC CAG GCC TTT GCC	1158
166	Pro Thr Gly Leu Thr Phe Tyr Pro Ala Val Asp Val Gln Ala Phe Ala	
167	330 335 340 345	
168		
169	GTC CTC CCC AAC TCC TCC CTG GCT TCC CTC TTC CTG ATT GGC ATG CAC	1206
170	Val Leu Pro Asn Ser Ser Leu Ala Ser Leu Phe Leu Ile Gly Met His	
171	350 355 360	
172		
173	ACA ACT GGT TCC ATG GAG GTC AGC GCC GAG TCC AAC AGG CTT GTT GGA	1254
174	Thr Thr Gly Ser Met Glu Val Ser Ala Glu Ser Asn Arg Leu Val Gly	
175	365 370 375	
176		
177	GAG CTC AAG CTG GAT AGG CTG CTC CTG GAA CTG AAG CAC TCA AAT ATT	1302
178	Glu Leu Lys Leu Asp Arg Leu Leu Leu Glu Leu Lys His Ser Asn Ile	
179	380 385 390	
180		
181	GGC CCC TTC CCG GTT GAA TTG CTG CAG GAT ATC ATG AAC TAC ATT GTA	1350
182	Gly Pro Phe Pro Val Glu Leu Leu Gln Asp Ile Met Asn Tyr Ile Val	
183	395 400 405	
184		
185	CCC ATT CTT GTG CTG CCC AGG GTT AAC GAG AAA CTA CAG AAA GGC TTC	1398
186	Pro Ile Leu Val Leu Pro Arg Val Asn Glu Lys Leu Gln Lys Gly Phe	
187	410 415 420 425	
188		
189	CCT CTC CCG ACG CCG GCC AGA GTC CAG CTC TAC AAC GTA GTG CTT CAG	1446
190	Pro Leu Pro Thr Pro Ala Arg Val Gln Leu Tyr Asn Val Val Leu Gln	
191	430 435 440	
192		
193	CCT CAC CAG AAC TTC CTG CTG TTC GGT GCA GAC GTT GTC TAT AAA	1491
194	Pro His Gln Asn Phe Leu Leu Phe Gly Ala Asp Val Val Tyr Lys	
195	445 450 455	
196		
197	TGAAGGCACC AGGGGTGCCG GGGGCTGTCA GCCGCACCTG TTCCTGATGG GCTGTGGGGC	1551
198		
199	ACCGGCTGCC TTTCCCCAGG GAATCCTCTC CAGATCTTAA CCAAGAGCCC CTTGCAAACCT	1611
200		
201	TCTTCGACTC AGATTCAGAA ATGATCTAAA CACGAGGAAA CATTATTCAT TGGAAAAGTG	1671
202		
203	CATGGTGTGT ATTTTAGGGA TTATGAGCTT CTTTCAAGGG CTAAGGCTGC AGAGATATTT	1731
204		
205	CCTCCAGGAA TCGTGTTCAT ATTGTAACCA AGAAATTTCC ATTTGTGCTT CATGAAAAAA	1791

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/416,828DATE: 03/10/2001
TIME: 00:45:44

INPUT SET: S36471.raw

206
207 AACTTCTGGT TTTTTCATG TG 1813
208
209
210 (2) INFORMATION FOR SEQ ID NO:2:
211
212 (i) SEQUENCE CHARACTERISTICS:
213 (A) LENGTH: 487 amino acids
214 (B) TYPE: amino acid
215 (D) TOPOLOGY: linear
216
217 (ii) MOLECULE TYPE: protein
218
219 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
220
221 Met Arg Glu Asn Met Ala Arg Gly Pro Cys Asn Ala Pro Arg Trp Val
222 -31 -30 -25 -20
223
224 Ser Leu Met Val Leu Val Ala Ile Gly Thr Ala Val Thr Ala Ala Val
225 -15 -10 -5 1
226
227 Asn Pro Gly Val Val Val Arg Ile Ser Gln Lys Gly Leu Asp Tyr Ala
228 5 10 15
229
230 Ser Gln Gln Gly Thr Ala Ala Leu Gln Lys Glu Leu Lys Arg Ile Lys
231 20 25 30
232
233 Ile Pro Asp Tyr Ser Asp Ser Phe Lys Ile Lys His Leu Gly Lys Gly
234 35 40 45
235
236 His Tyr Ser Phe Tyr Ser Met Asp Ile Arg Glu Phe Gln Leu Pro Ser
237 50 55 60 65
238
239 Ser Gln Ile Ser Met Val Pro Asn Val Gly Leu Lys Phe Ser Ile Ser
240 70 75 80
241
242 Asn Ala Asn Ile Lys Ile Ser Gly Lys Trp Lys Ala Gln Lys Arg Phe
243 85 90 95
244
245 Leu Lys Met Ser Gly Asn Phe Asp Leu Ser Ile Glu Gly Met Ser Ile
246 100 105 110
247
248 Ser Ala Asp Leu Lys Leu Gly Ser Asn Pro Thr Ser Gly Lys Pro Thr
249 115 120 125
250
251 Ile Thr Cys Ser Ser Cys Ser Ser His Ile Asn Ser Val His Val His
252 130 135 140 145
253
254 Ile Ser Lys Ser Lys Val Gly Trp Leu Ile Gln Leu Phe His Lys Lys
255 150 155 160
256
257 Ile Glu Ser Ala Leu Arg Asn Lys Met Asn Ser Gln Val Cys Glu Lys
258 165 170 175

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/416,828

DATE: 03/10/2001
TIME: 00:45:44

INPUT SET: S36471.raw

Line

Error

Original Text

PAGE: 1

SEQUENCE CORRECTION REPORT
PATENT APPLICATION US/09/416,828

DATE: 03/10/2001
TIME: 00:45:44

INPUT SET: S36471.raw

Line	Original Text	Corrected Text
35	(viii) ATTORNEY INFORMATION:	(viii) ATTORNEY/AGENT INFORMATION: